

October 12, 2006  
Project No. 203320008

Mr. Don Indermill  
California Regional Water Quality Control Board  
Los Angeles Region  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, California 90013

Subject: Quarterly Groundwater Monitoring Report,  
Third Quarter 2006  
8411 South Atlantic Avenue  
Cudahy, California  
SLIC No. 1148

Dear Mr. Indermill:

Niryo & Moore is pleased to submit this report documenting the groundwater monitoring procedures and results for the subject facility. The contents of this report include:

**QUARTERLY MONITORING AND SAMPLING RESULTS:**

- Attachment A – Data Summary
- Attachment B – Table 1 – Summary of Groundwater Elevation Measurements  
Table 2 – Summary of Laboratory Results of Groundwater Samples
- Attachment C – Figure 1 – Site Vicinity Map  
Figure 2 – Site Plan
- Attachment D – Field Procedures
- Attachment E – Field Data Sheets
- Attachment F – Laboratory Report and Chain-of-Custody Documentation
- Attachment G – GeoTracker Upload Confirmation

If you have any questions regarding the data or information in this report, please contact either of  
the undersigned at your convenience.

Sincerely,  
**NINYO & MOORE**



Jeffrey D. Arbour  
Staff Environmental Scientist

JDA/PAR/paw



Paul A. Roberts, P.G., R.E.A. I/H  
Senior Environmental Geologist

Distribution: (1) Addressee  
(1) John Allen, Esq., Allen Matkin Gamble Mallory & Natsis LLP  
(1) Mr. Mark Cousineau, Hazard Management Consulting, Inc.  
(1) Mr. Paul Ohlmann, OnAtlantic, LLC

8411 South Atlantic Boulevard  
Cudahy, California

October 11, 2006  
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**ATTACHMENT A**

**SUMMARY DATA**

DATA SUMMARY		
<b>SITE INFORMATION</b>		
8411 South Atlantic Boulevard Cudahy, California	Lead Agency: Agency Case Number: Project Number:	LARWQCB SLIC No. 1148 203320008
<b>OVERVIEW</b>		
Reporting Period: Sampling Consultant:	Third Quarter, 2006 Niryo & Moore	Groundwater well on site: 3 Groundwater well off site: 0
<b>GEOLOGIC INFORMATION</b>		
Source: Installation of groundwater monitoring well MW-1, MW-2, MW-3 Surface to ~55 ft bgs - interbedded fine SAND and silty fine SAND		
<b>FIELD ACTIVITIES</b>		
Groundwater fluid level measurement date(s):	September 21, 2006	
Groundwater sampling date(s):	September 21, 2006	
Groundwater wells monitored:	3	
Groundwater wells sampled:	3	Purge method: Submersible pump
Total gallons disposed:	75	
Treatment/disposal method:	Crosby & Overton	
<b>LABORATORY ANALYSIS</b>		
Groundwater samples were submitted to a state-certified laboratory for the following analyses: - VOCs in general accordance with EPA Method 8260B.		
<b>GROUNDWATER INFORMATION</b>		
- Field activities were performed under the direction of a California Professional Geologist.		
Minimum Depth to groundwater (ft bgs):	50.90	
Maximum Depth to groundwater (ft bgs):	51.11	
Average groundwater elevation (ft msl):	48.91	
Average change in gw elevation since last event (ft):	-0.12	
Groundwater wells with free product:	0	
Free product thickness (ft):	0.00	
Free product removed (gallons):	0.00	
Groundwater gradient (ft/ft) and flow direction:	0.01 to the northeast	
Groundwater gradient (ft/ft) and flow direction [last quarterly event (7/13/06)]:	0.01 to the northeast	
<b>FINDINGS – ANALYTICAL RESULTS</b>		
Wells with TCE below MCL:	0	
Wells with TCE above MCL:	3	
Wells with breakdown products of TCE above MCL (trans-1,2-DCE, cis-1,2-DCE, 1,1-DCE and/or VC):	3	
Maximum concentrations of TCE (ug/l):	4,000	
Minimum concentrations of TCE (ug/l):	3,100	
Maximum concentrations of trans-1,2-DCE (ug/l):	21	
Minimum concentrations of trans-1,2-DCE (ug/l):	7.9	
Maximum concentrations of cis-1,2-DCE (ug/l):	450	
Minimum concentrations of cis-1,2-DCE (ug/l):	120	
Maximum concentrations of 1,1-DCE (ug/l):	8.8	
Minimum concentrations of 1,1-DCE (ug/l):	4.3	
Maximum concentrations of VC (ug/l):	<5.0	
Minimum concentrations of VC (ug/l):	<5.0	

DATA SUMMARY			
SITE INFORMATION			
8411 South Atlantic Boulevard Cudahy, California	Lead Agency: Agency Case Number: Project Number:	LARWQCB SLIC No. 1148 203320008	
CONCLUSIONS			
<p>Laboratory results of the groundwater samples collected at the site have continued to show concentrations of TCE and, to a lesser extent, the breakdown products of cis-1,2-DCE, trans-1,2-DCE, and 1,1-DCE. Laboratory results have shown relatively the same magnitude of TCE concentrations in all three wells, and the direction of groundwater flow has been consistently in a northeasterly direction. Based on the sampling conducted to date, laboratory results of groundwater collected from well MW-1, located adjacent to the former clarifier, have shown concentrations of TCE at the same general magnitude as groundwater collected from MW-2 and MW-3, located crossgradient from MW-1. The data collected this quarter continues to support that the site may have slightly contributed to the degradation of groundwater. However, an off-site source is highly likely present as well. Ninyo &amp; Moore submitted a work plan to the LARWQCB dated August 16, 2006 to install additional groundwater wells at the site and in the site vicinity. To-date, there has been no response from the LARWQCB.</p>			
RECOMMENDATIONS			
Ninyo & Moore will continue to complete quarterly groundwater monitoring utilizing all wells associated with the site.			
NOTES/ABBREVIATIONS			
LARWQCB EPA TCE trans-1,2-DCE cis-1,2-DCE 1,1-DCE VOCs ft	= Los Angeles Regional Water Quality Control Board = Environmental Protection Agency = trichloroethane = trans-1,2-dichloroethene = cis-1,2-dichloroethene = 1,1-dichloroethene = volatile organic compounds = feet	bgs msl gw MCL ppb ppm MDL VC Elevations are in feet above mean sea level	= below ground surface = mean sea level = groundwater = maximum contaminant level = micrograms per liter = milligrams per liter = method detection limit = vinyl chloride

DATA SUMMARY		
<b>SITE INFORMATION</b>		
8411 South Atlantic Boulevard Cudahy, California	Lead Agency: Agency Case Number: Project Number:	LARWQCB SLIC No. 1148 203320008
<b>LIMITATIONS</b>		
The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.		
Niryo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.		
The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Niryo & Moore has no involvement in, or control over, such testing and analysis. Niryo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.		
Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Niryo & Moore has no control.		
This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Niryo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations present, or completeness of this document.		
This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.		

8411 South Atlantic Boulevard  
Cudahy, California

October 11, 2006  
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**ATTACHMENT B**

**TABLES**

**TABLE 1 – SUMMARY OF GROUNDWATER ELEVATION MEASUREMENTS**

Well No.	MW-1			MW-2			MW-3		
Elevation of TOC	99.62			100.09			99.95		
Date	Depth (feet)	Elevation (feet)	Change in Elevation (feet)	Depth (feet)	Elevation (feet)	Change in Elevation (feet)	Depth (feet)	Elevation (feet)	Change in Elevation (feet)
9/21/2006	50.92	48.70	-0.24	50.9	49.19	-0.23	51.11	48.84	0.12
7/13/2006	50.68	48.94	1.44	50.67	49.42	1.69	51.23	48.72	0.96
9/8/2005	52.12	47.50	0.07	52.36	47.73	0.04	52.19	47.76	0.21
7/11/2005	52.19	47.43	0.54	52.40	47.69	---	52.40	47.55	---
3/15/2005	52.73	46.89	-0.03	---	---	---	---	---	---
12/22/2004	52.7	46.92	1.70	---	---	---	---	---	---
8/27/2004	54.4	45.22	---	---	---	---	---	---	---

**Notes:**  
 TOC – top of casing.  
 --- – Not applicable. Wells MW-2 and MW-3 were installed on 7/5/05.  
 Depth – feet below ground surface  
 Elevation – feet above mean sea level

TABLE 2 – SUMMARY OF LABORATORY RESULTS OF GROUNDWATER SAMPLES

Well No.	Date Sampled	VOCs (µg/L)												
		BDCM	1,1,2-TCA	1,1-DCE	Chloroform	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Bromoform	VC	1,1-DCA	1,2-DCA	Methylene Chloride
MW-1	9/21/2006	<0.5	<0.5	4.3	<5.0	120	<5.0	7.9	3,100	<5.0	<5.0	<5.0	<5.0	<10
	7/13/2006	<0.5	<0.5	3.3	<0.5	100	<0.5	7.2	3,200	1.0	1.8	<0.5	<0.5	<0.5
	9/8/2005	26	<5.0	<5.0	<5.0	110	<5.0	6.5	3,300	<5.0	<5.0	<5.0	<5.0	<5.0
	7/11/2005	<5.0	<5.0	<5.0	<5.0	89	<5.0	5.7	2,900	<5.0	<5.0	<5.0	<5.0	<5.0
	3/15/2005	<5.0	<5.0	<5.0	<5.0	59	<5.0	<5.0	1,700	<5.0	<5.0	<5.0	<5.0	<5.0
	12/23/2004	<5.0	<5.0	<5.0	<5.0	62	<5.0	<5.0	1,900	<5.0	<5.0	<5.0	<5.0	<5.0
	8/27/2004	<5.0	0.5	3.3	0.79	99	1.8	5.9	2,300	<5.0	<5.0	<5.0	<5.0	<5.0
MW-2	9/21/2006	<5.0	<5.0	8.8	<5.0	450	<5.0	21	4,000	<5.0	<5.0	<5.0	<5.0	<10
	7/13/2006	<0.5	<0.5	5	<5.0	200	<0.5	11	2,800	<0.5	1.5	1.1	<0.5	<0.5
	9/8/2005	<5.0	<5.0	<5.0	<5.0	95	<5.0	6.0	2,500	<5.0	<5.0	<5.0	<5.0	<5.0
	7/11/2005	<5.0	<5.0	<5.0	<5.0	82	<5.0	5.7	2,200	<5.0	<5.0	<5.0	<5.0	<5.0
MW-3	9/21/2006	<5.0	<5.0	4.9	<5.0	320	<5.0	17	3,400	<5.0	<5.0	<5.0	<5.0	<10
	7/13/2006	<0.5	<0.5	4.4	<0.5	280	<0.5	16	3,700	<0.5	2.2	0.63	2.1	<0.5
	9/8/2005	<5.0	<5.0	<5.0	<5.0	240	<5.0	13	2,800	<5.0	<5.0	<5.0	<5.0	<5.0
	7/11/2005	<5.0	<5.0	<5.0	<5.0	200	<5.0	13	2,700	<5.0	<5.0	<5.0	<5.0	<5.0
Trip B Link	9/21/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
	7/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.83
	9/8/2005	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	7/11/2005	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
EPA MCL	NA	5	7	NA	70	5	100	5	NA	2	NA	5	NA	
CDHS MCL	NA	5	6	NA	6	5	10	5	NA	0.5	5	0.5	NA	

**Notes:**

VOCs = volatile organic compounds analyzed in general accordance with EPA Method No. 8260B

µg/L = micrograms per liter

BDCM = bromodichloromethane

1,1,2-TCA = 1,1,2-trichloroethane

1,1-DCE = 1,1-dichloroethene

cis-1,2-DCE = cis-1,2-dichloroethene

PCE = tetrachloroethene

trans-1,2-DCE = trans-1,2-dichloroethene

TCE = trichloroethene

VC = vinyl chloride

1,1-DCA = 1,1-dichloroethane

1,2-DCA = 1,2-dichloroethane

EPA MCLs = Environmental Protection Agency Maximum Contaminant Levels

CDHS MCLs = California Department of Health Services Maximum Contaminant Levels

<5 = less than 5 µg/L the laboratory detection limit

NA = not available

\* = Results are J-Flag (results that are between the Practical Quantitation Limit [PQL] and the Method Detection Limit [MDL])

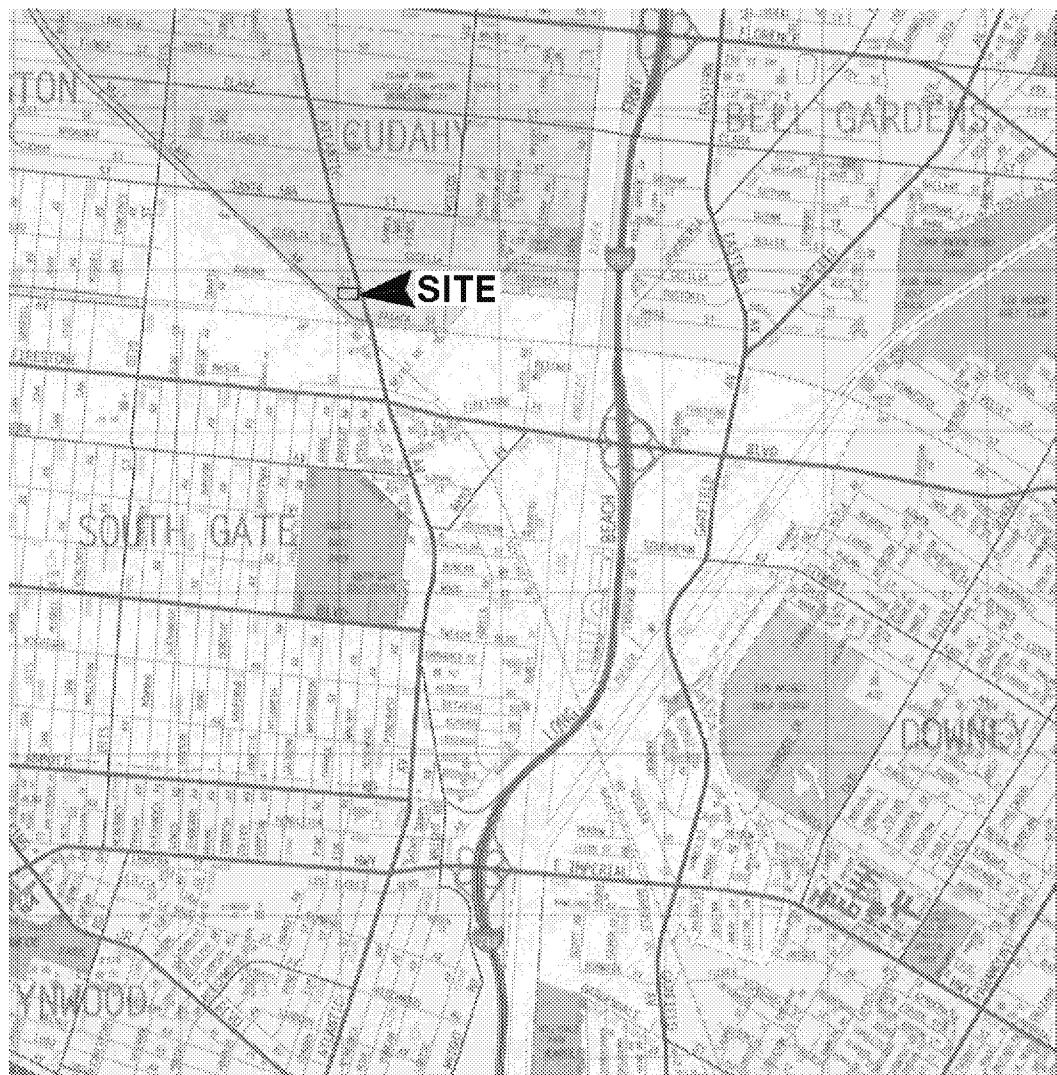
8411 South Atlantic Boulevard  
Cudahy, California

October 11, 2006  
Project No. 203320008

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**ATTACHMENT C**

**FIGURES**



REFERENCE: 2004 THOMAS GUIDE FOR LOS ANGELES/ORANGE COUNTIES, STREET GUIDE AND DIRECTORY



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE

**Ninjo & Moore**

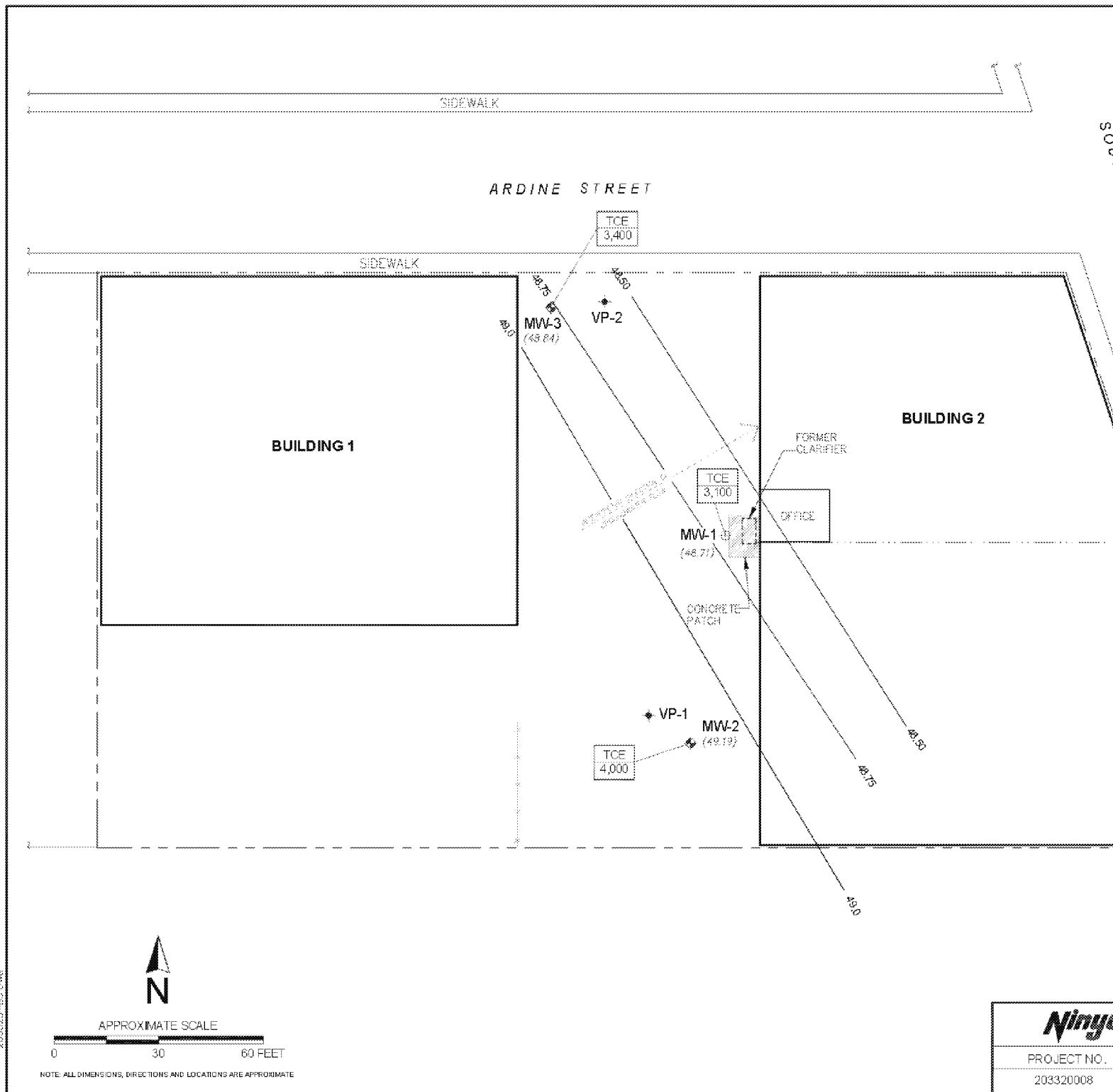
**SITE LOCATION MAP**

FIGURE

**1**

PROJECT NO.	DATE
203320008	10/06

8411 SOUTH ATLANTIC AVENUE  
CUDAHY, CALIFORNIA



8411 South Atlantic Boulevard  
Cudahy, California

October 11, 2006  
Project No. 203320008

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**ATTACHMENT D**

**FIELD PROCEDURES**

## FIELD PROCEDURES

### Purge Method Groundwater Sample Collection Procedures

1. Field activities and equipment utilization were recorded on Groundwater Sampling Field Data Sheets.
2. The water level and depth to the bottom of each well was measured using a conductance probe, the measurements were recorded to the nearest 0.01 foot. Prior to use, the probe was rinsed in an Alconox solution (an inorganic detergent), followed by two deionized-water rinses.
3. The volume of water (in gallons) contained in the well casings was estimated using the following equation:

$$\text{Casing Volume (gallons)} = \pi \times h \times 7.5 \times r_1^2$$

Where  $r_1$  equals the radius of the well casing,  $h$  equals the height of the water in the well,  $\pi = 3.14$ , and 7.5 is equal to gallons per 1 cubic foot of water.

4. Prior to initiating a sampling program, the wells were purged of standing water. A water sample was collected following the removal of a minimum of three casing volumes of water and/or stabilization of pH, temperature, and electrical conductivity readings to within 5 percent of each other for three subsequent measurements.
5. A 55-gallon drum was used to measure the volume of water removed.
6. Disposable bailers were used for sampling the wells.
7. New line was used on the sampling bailers for each well.
8. Water samples were collected by lowering the bailer approximately 2 to 4 feet below the static groundwater level and raising the bailer slowly in order to minimize agitation of the water sample in the bailer.
9. Water was discharged from the bailer through a bottom discharge valve placed on the bottom of the sample container. Discharge to the sample container was conducted at a rate slow enough to minimize bubbling or significant agitation of the liquid. The sample container was filled to the top (from the bottom up) and overfilled leaving no remaining headspace.
10. Samples were collected in laboratory-approved 40-milliliter glass vials with Teflon septum lids.

**Sample Handling**

1. The samples retained for chemical analyses were placed in Ziploc bags and stored in an ice chest cooled, using ice, to a temperature of approximately 40 degrees Fahrenheit.
2. The samples were delivered to and analyzed by a State-certified hazardous waste laboratory within 24 hours of collection. Sample handling, transport, and delivery to the laboratory were documented using chain-of-custody procedures, including the use of chain-of-custody form.

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**ATTACHMENT E**

**FIELD DATA SHEETS**

Project Name:	<u>On-Atlantic</u>	Date:	<u>9/21/2006</u>	Sampler:	<u>JDA/JET</u>	
Project No.:	<u>203320008</u>	Weather:	<u>Clear, Warm</u>			
Monitoring Well ID:	<u>MWI</u>	Site Location:	<u>8411 South Atlantic Boulevard, Cudahy, CA</u>			
Casing Diameter:	<input type="checkbox"/> 2"	<input checked="" type="checkbox"/> 4"	<input type="checkbox"/> 6"	<input type="checkbox"/> Other	Casing Material: <input type="checkbox"/> SCH 40-PVC <input type="checkbox"/> Other: S. Steel	
Total Depth (ft-TOC):	<u>79.80</u>		LNAPL Observed?: <input type="checkbox"/>			
Depth to Water (ft-TOC):	<u>50.92</u>		DNAPL Observed?: <input type="checkbox"/>			
Water Column Height (feet):	<u>28.88</u>		LNAPL Thickness (ft):	DNAPL Thickness (ft):		
			1/2" = 0.1	56.316 Min. Purge		
			2" = 0.16	gal/ft = <u>18.72</u>	x 3.0 = <u>56.316</u> Volume (gallons)	
Water Level Measurement Equip.:			<u>Solinst Groundwater Level Meter</u>			
Purging Method/Equipment:			<u>2-inch pump</u>			
Pump Lines/Bailer Ropes-New or Cleaned?:			<u>New</u>			
TIME	PURGE VOL. (gallons)	TEMP. (°C)	COND. ( $\mu\text{s}/\text{cm}$ )	pH	Turb (NTU)	COMMENTS (water level, color, turbidity, odor, sheen, etc.):
10:25	0	21.8	1.29	7.58	49	Cloudy, grey, No odors, No sheen
10:29	5	21.7	1.28	7.60	4	Clear, No color, No sheen
10:32	10	21.7	1.27	7.68	5	"
10:35	15	21.7	1.28	7.75	3	"
10:37	20	21.8	1.27	7.63	4	"
10:40	25	21.8	1.27	7.63	2	"
10:43	30	21.6	1.27	7.62	2	"
10:46	35	21.7	1.27	7.61	1	"
10:49	40	21.8	1.28	7.61	1	"
10:52	45	21.8	1.27	7.61	1	"
10:55	50	21.7	1.27	7.61	1	"
10:58	55	21.8	1.26	7.61	1	"
10:59	57	21.8	1.27	7.62	1	"
Total Volume Purged (gallon):			<u>57</u>			Time Finished Purging: <u>10:59</u>
Depth to Water After Purging (ft):			<u>50.91</u>			Percent Recovery: <u>100%</u>
Sampling Method/Equipment:			<u>New Bailer</u>			
Bailer Rope-New or Cleaned?:			<u>New</u>			
Sample Time:			<u>8:50</u>			
Sample ID:			<u>MWI</u>			
Replicate ID (if appl.)						
Laboratory:			<u>ATL</u>			
Comments:						





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Cudahy, California

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**ATTACHMENT F**

**LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION**

September 29, 2006



Jeffrey D. Arbour  
Ninjo & Moore  
475 Goddard Suite 200  
Irvine, CA 92618  
TEL: (949) 753-7070  
FAX: (949) 753-7071

ELAP No.: 1838  
NELAP No.: 02107CA  
NEVADA.: CA-401  
Arizona: AZ0689  
CSDLAC No.: 10196  
Workorder No.: 086833

RE: On-Atlantic, 203320008

Attention: Jeffrey D. Arbour

Enclosed are the results for sample(s) received on September 22, 2006 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "Eddie F. Rodriguez".

Eddie F. Rodriguez  
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology  
Laboratories

1 of 16  
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore  
Project: On-Atlantic, 203320008  
Lab Order: 086833

**CASE NARRATIVE**

Results were I-Flag. "I" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "I" flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.



Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90753 Tel: 362.989.4949 Fax: 362.989.4940

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## Advanced Technology Laboratories

Date: 29-Sep-06

**CLIENT:** Ninyo & Moore      **Client Sample ID:** MW1  
**Lab Order:** 086833      **Tag Number:**  
**Project:** On-Atlantic\_203320008      **Collection Date:** 9/21/2006 1:50:00 PM  
**Lab ID:** 086833-001A      **Matrix:** WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

## EPA 8260B

RunID: MS11_060928B	QC Batch: A06VW279		PregDate:		Analyst: HH	
1,1,1,2-Tetrachloroethane	ND	3.0	5.0	µg/L	10	9/26/2006
1,1,1-Trichloroethane	ND	2.7	5.0	µg/L	10	9/26/2006
1,1,2,2-Tetrachloroethane	ND	2.0	5.0	µg/L	10	9/26/2006
1,1,2-Trichloroethane	ND	2.0	5.0	µg/L	10	9/26/2006
1,1-Dichloroethane	ND	2.3	5.0	µg/L	10	9/26/2006
1,1-Dichloroethene	4.3	3.3	5.0	µg/L	10	9/26/2006
1,1-Dichloropropene	ND	1.8	5.0	µg/L	10	9/26/2006
1,2,3-Trichlorobenzene	ND	1.8	5.0	µg/L	10	9/26/2006
1,2,3-Trichloropropane	ND	1.8	5.0	µg/L	10	9/26/2006
1,2,4-Trichlorobenzene	ND	1.4	5.0	µg/L	10	9/26/2006
1,2,4-Trimethylbenzene	ND	1.5	5.0	µg/L	10	9/26/2006
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	µg/L	10	9/26/2006
1,2-Dibromoethane	ND	1.8	5.0	µg/L	10	9/26/2006
1,2-Dichlorobenzene	ND	1.4	5.0	µg/L	10	9/26/2006
1,2-Dichloromethane	ND	4.5	5.0	µg/L	10	9/26/2006
1,2-Dichloropropane	ND	2.5	5.0	µg/L	10	9/26/2006
1,3,5-Trimethylbenzene	ND	1.5	5.0	µg/L	10	9/26/2006
1,3-Dichlorobenzene	ND	1.5	5.0	µg/L	10	9/26/2006
1,3-Dichloropropane	ND	2.0	5.0	µg/L	10	9/26/2006
1,4-Dichlorobenzene	ND	2.1	5.0	µg/L	10	9/26/2006
2,2-Dichloropropane	ND	2.7	5.0	µg/L	10	9/26/2006
2-Chlorotoluene	ND	1.5	5.0	µg/L	10	9/26/2006
4-Chlorotoluene	ND	1.4	5.0	µg/L	10	9/26/2006
4-Isopropyltoluene	ND	1.8	5.0	µg/L	10	9/26/2006
Benzene	ND	1.5	5.0	µg/L	10	9/26/2006
Bromobenzene	ND	2.0	5.0	µg/L	10	9/26/2006
Bromodichloromethane	ND	2.1	5.0	µg/L	10	9/26/2006
Bromoform	ND	1.7	5.0	µg/L	10	9/26/2006
Bromomethane	ND	2.8	5.0	µg/L	10	9/26/2006
Carbon tetrachloride	ND	4.5	5.0	µg/L	10	9/26/2006
Chlorobenzene	ND	1.7	5.0	µg/L	10	9/26/2006
Chloroethane	ND	4.1	5.0	µg/L	10	9/26/2006
Chloroform	ND	3.0	5.0	µg/L	10	9/26/2006
Chloromethane	ND	4.6	5.0	µg/L	10	9/26/2006
cis-1,2-Dichloroethene	120	2.2	5.0	µg/L	10	9/26/2006
cis-1,3-Dichloropropene	ND	1.7	5.0	µg/L	10	9/26/2006

**Qualifiers:** B = Analyte detected in the associated Method Blank  
H = Holding times for preparation or analysis exceeded  
ND = Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E = Value above quantitation range  
J = Analyte detected below quantitation limits  
S = Spike/Surrogate outside of limits due to matrix interference  
DO = Surrogate Diluted Out

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Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90753 Tel: 562.989.4040 Fax: 562.989.4040

## Advanced Technology Laboratories

Date: 29-Sep-06

**CLIENT:** Ninyo & Moore      **Client Sample ID:** MW1  
**Lab Order:** 086833      **Tag Number:**  
**Project:** On-Atlantic\_203320008      **Collection Date:** 9/21/2006 1:50:00 PM  
**Lab ID:** 086833-001A      **Matrix:** WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

## EPA 8260B

RunID:	QC Batch:	PrepDate:	Analyst:
MS11_060926B	A06VW279	HH	
Dibromochloromethane	ND	1.8	µg/L
Dibromoethane	ND	1.8	µg/L
Dichlorodifluoromethane	ND	2.5	µg/L
Ethylbenzene	ND	1.5	µg/L
Hexachlorobutadiene	ND	2.1	µg/L
Isopropylbenzene	ND	1.8	µg/L
m,p-Xylene	ND	2.8	µg/L
Methylene chloride	ND	10	µg/L
n-Butylbenzene	ND	3.0	µg/L
n-Propylbenzene	ND	1.8	µg/L
Naphthalene	ND	1.4	µg/L
p-Xylene	ND	1.5	µg/L
sec-Butylbenzene	ND	1.6	µg/L
Styrene	ND	1.4	µg/L
tert-Butylbenzene	ND	1.8	µg/L
Tetrachloroethylene	ND	2.2	µg/L
Toluene	ND	2.1	µg/L
trans-1,2-Dichloroethene	7.8	1.8	µg/L
Trichloromethane	3100	22	µg/L
Trichlorofluoromethane	ND	2.4	µg/L
Vinyl chloride	ND	2.3	µg/L

**Qualifiers:**  
 B: Analyte detected in the associated Method Blank  
 H: Holding times for preparation or analysis exceeded  
 ND: Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified

E: Value above quantitation range  
 J: Analyte detected below quantitation limits  
 S: Spike/Surrogate outside of limits due to matrix interference  
 DO: Surrogate Diluted Out

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Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90753 Tel: 562.989.4040 Fax: 562.989.4040

## Advanced Technology Laboratories

Date: 29-Sep-06

**CLIENT:** Ninyo & Moore      **Client Sample ID:** MW2  
**Lab Order:** 086833      **Tag Number:**  
**Project:** On-Atlantic\_203320008      **Collection Date:** 9/21/2006 2:05:00 PM  
**Lab ID:** 086833-002A      **Matrix:** WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

## EPA 8260B

RunID: MS11_060928B	QC Batch: A06VW279		PregDate:		Analyst: HH	
1,1,1,2-Tetrachloroethane	ND	3.0	5.0	µg/L	10	9/26/2006
1,1,1-Trichloroethane	ND	2.7	5.0	µg/L	10	9/26/2006
1,1,2,2-Tetrachloroethane	ND	2.0	5.0	µg/L	10	9/26/2006
1,1,2-Trichloroethane	ND	2.0	5.0	µg/L	10	9/26/2006
1,1-Dichloroethane	ND	2.3	5.0	µg/L	10	9/26/2006
1,1-Dichloroethene	8.8	3.3	5.0	µg/L	10	9/26/2006
1,1-Dichloropropene	ND	1.8	5.0	µg/L	10	9/26/2006
1,2,3-Trichlorobenzene	ND	1.8	5.0	µg/L	10	9/26/2006
1,2,3-Trichloropropane	ND	1.8	5.0	µg/L	10	9/26/2006
1,2,4-Trichlorobenzene	ND	1.4	5.0	µg/L	10	9/26/2006
1,2,4-Trimethylbenzene	ND	1.5	5.0	µg/L	10	9/26/2006
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	µg/L	10	9/26/2006
1,2-Dibromoethane	ND	1.8	5.0	µg/L	10	9/26/2006
1,2-Dichlorobenzene	ND	1.4	5.0	µg/L	10	9/26/2006
1,2-Dichloromethane	ND	4.8	5.0	µg/L	10	9/26/2006
1,2-Dichloropropane	ND	2.5	5.0	µg/L	10	9/26/2006
1,3,5-Trimethylbenzene	ND	1.5	5.0	µg/L	10	9/26/2006
1,3-Dichlorobenzene	ND	1.5	5.0	µg/L	10	9/26/2006
1,3-Dichloropropane	ND	2.0	5.0	µg/L	10	9/26/2006
1,4-Dichlorobenzene	ND	2.1	5.0	µg/L	10	9/26/2006
2,2-Dichloropropane	ND	2.7	5.0	µg/L	10	9/26/2006
2-Chlorotoluene	ND	1.5	5.0	µg/L	10	9/26/2006
4-Chlorotoluene	ND	1.4	5.0	µg/L	10	9/26/2006
4-Isopropyltoluene	ND	1.8	5.0	µg/L	10	9/26/2006
Benzene	ND	1.5	5.0	µg/L	10	9/26/2006
Bromobenzene	ND	2.0	5.0	µg/L	10	9/26/2006
Bromodichloromethane	ND	2.1	5.0	µg/L	10	9/26/2006
Bromoform	ND	1.7	5.0	µg/L	10	9/26/2006
Bromomethane	ND	2.8	5.0	µg/L	10	9/26/2006
Carbon tetrachloride	ND	4.5	5.0	µg/L	10	9/26/2006
Chlorobenzene	ND	1.7	5.0	µg/L	10	9/26/2006
Chloroethane	ND	4.1	5.0	µg/L	10	9/26/2006
Chloroform	ND	3.0	5.0	µg/L	10	9/26/2006
Chloromethane	ND	4.6	5.0	µg/L	10	9/26/2006
cis-1,2-Dichloroethene	450	2.2	5.0	µg/L	10	9/26/2006
cis-1,3-Dichloropropane	ND	1.7	5.0	µg/L	10	9/26/2006

**Qualifiers:** B = Analyte detected in the associated Method Blank  
H = Holding times for preparation or analysis exceeded  
ND = Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E = Value above quantitation range  
J = Analyte detected below quantitation limits  
S = Spike/Surrogate outside of limits due to matrix interference  
DO = Surrogate Diluted Out

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Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90753 Tel: 363.989.4949 Fax: 363.989.4940

## Advanced Technology Laboratories

Date: 29-Sep-06

**CLIENT:** Ninyo & Moore      **Client Sample ID:** MW2  
**Lab Order:** 086833      **Tag Number:**  
**Project:** On-Atlantic\_203320008      **Collection Date:** 9/21/2006 2:05:00 PM  
**Lab ID:** 086833-002A      **Matrix:** WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

## EPA 8260B

RunID:	QC Batch:	PrepDate:	Analyst:
MS11_060926B	A06VW279	HH	
Dibromochloromethane	ND	1.8	µg/L
Dibromoethane	ND	1.8	µg/L
Dichlorodifluoromethane	ND	2.5	µg/L
Ethylbenzene	ND	1.5	µg/L
Hexachlorobutadiene	ND	2.1	µg/L
Isopropylbenzene	ND	1.8	µg/L
m,p-Xylene	ND	2.8	µg/L
Methylene chloride	ND	10	µg/L
n-Butylbenzene	ND	3.0	µg/L
n-Propylbenzene	ND	1.8	µg/L
Naphthalene	ND	1.4	µg/L
p-Xylene	ND	1.5	µg/L
sec-Butylbenzene	ND	1.6	µg/L
Styrene	ND	1.4	µg/L
tert-Butylbenzene	ND	1.8	µg/L
Tetrachloroethylene	ND	2.2	µg/L
Toluene	ND	2.3	µg/L
trans-1,2-Dichloroethene	21	1.8	µg/L
Trichloromethane	4000	11	µg/L
Trichlorofluoromethane	ND	2.4	µg/L
Vinyl chloride	ND	2.3	µg/L

**Qualifiers:**  
 B: Analyte detected in the associated Method Blank  
 H: Holding times for preparation or analysis exceeded  
 ND: Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified

E: Value above quantitation range  
 J: Analyte detected below quantitation limits  
 S: Spike/Surrogate outside of limits due to matrix interference  
 DO: Surrogate Diluted Out

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Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90753 Tel: 562.989.4040 Fax: 562.989.4040

## Advanced Technology Laboratories

Date: 29-Sep-06

**CLIENT:** Ninyo & Moore      **Client Sample ID:** MW3  
**Lab Order:** 086833      **Tag Number:**  
**Project:** Ori-Atlantic, 203320008      **Collection Date:** 9/21/2006 2:10:00 PM  
**Lab ID:** 086833-003A      **Matrix:** WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

## EPA 8260B

RunID: MS11_060928B	QC Batch: A06VW279		PregDate:		Analyst: HH	
1,1,1,2-Tetrachloroethane	ND	3.0	5.0	µg/L	10	9/26/2006
1,1,1-Trichloroethane	ND	2.7	5.0	µg/L	10	9/26/2006
1,1,2,2-Tetrachloroethane	ND	2.0	5.0	µg/L	10	9/26/2006
1,1,2-Trichloroethane	ND	2.0	5.0	µg/L	10	9/26/2006
1,1-Dichloroethane	ND	2.3	5.0	µg/L	10	9/26/2006
1,1-Dichloroethene	4.9	3.3	5.0	µg/L	10	9/26/2006
1,1-Dichloropropene	ND	1.8	5.0	µg/L	10	9/26/2006
1,2,3-Trichlorobenzene	ND	1.8	5.0	µg/L	10	9/26/2006
1,2,3-Trichloropropane	ND	1.8	5.0	µg/L	10	9/26/2006
1,2,4-Trichlorobenzene	ND	1.4	5.0	µg/L	10	9/26/2006
1,2,4-Trimethylbenzene	ND	1.5	5.0	µg/L	10	9/26/2006
1,2-Dibromo-3-chloropropane	ND	2.4	5.0	µg/L	10	9/26/2006
1,2-Dibromoethane	ND	1.8	5.0	µg/L	10	9/26/2006
1,2-Dichlorobenzene	ND	1.4	5.0	µg/L	10	9/26/2006
1,2-Dichloromethane	ND	4.5	5.0	µg/L	10	9/26/2006
1,2-Dichloropropane	ND	2.5	5.0	µg/L	10	9/26/2006
1,3,5-Trimethylbenzene	ND	1.5	5.0	µg/L	10	9/26/2006
1,3-Dichlorobenzene	ND	1.5	5.0	µg/L	10	9/26/2006
1,3-Dichloropropane	ND	2.0	5.0	µg/L	10	9/26/2006
1,4-Dichlorobenzene	ND	2.1	5.0	µg/L	10	9/26/2006
2,2-Dichloropropane	ND	2.7	5.0	µg/L	10	9/26/2006
2-Chlorotoluene	ND	1.5	5.0	µg/L	10	9/26/2006
4-Chlorotoluene	ND	1.4	5.0	µg/L	10	9/26/2006
4-Isopropyltoluene	ND	1.8	5.0	µg/L	10	9/26/2006
Benzene	ND	1.5	5.0	µg/L	10	9/26/2006
Bromobenzene	ND	2.0	5.0	µg/L	10	9/26/2006
Bromodichloromethane	ND	2.1	5.0	µg/L	10	9/26/2006
Bromoform	ND	1.7	5.0	µg/L	10	9/26/2006
Bromomethane	ND	2.8	5.0	µg/L	10	9/26/2006
Carbon tetrachloride	ND	4.5	5.0	µg/L	10	9/26/2006
Chlorobenzene	ND	1.7	5.0	µg/L	10	9/26/2006
Chloroethane	ND	4.1	5.0	µg/L	10	9/26/2006
Chloroform	ND	3.0	5.0	µg/L	10	9/26/2006
Chloromethane	ND	4.6	5.0	µg/L	10	9/26/2006
cis-1,2-Dichloroethene	320	2.2	5.0	µg/L	10	9/26/2006
cis-1,3-Dichloropropene	ND	1.7	5.0	µg/L	10	9/26/2006

**Qualifiers:** B = Analyte detected in the associated Method Blank  
H = Holding times for preparation or analysis exceeded  
ND = Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

E = Value above quantitation range  
J = Analyte detected below quantitation limits  
S = Spike/Surrogate outside of limits due to matrix interference  
DO = Surrogate Diluted Out

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Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90753 Tel: 562.989.4040 Fax: 562.989.4040

## Advanced Technology Laboratories

Date: 29-Sep-06

**CLIENT:** Ninyo & Moore      **Client Sample ID:** MW3  
**Lab Order:** 086833      **Tag Number:**  
**Project:** On-Atlantic\_203320008      **Collection Date:** 9/21/2006 2:10:00 PM  
**Lab ID:** 086833-003A      **Matrix:** WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

## EPA 8260B

RunID:	QC Batch:		PrepDate:		Analyst:
MS11_060926B	A06VW279				HH
Dibromochloromethane	ND	1.8	5.0	µg/L	10
Dibromoethane	ND	1.8	6.0	µg/L	10
Dichlorodifluoromethane	ND	2.5	5.0	µg/L	10
Ethylbenzene	ND	1.5	5.0	µg/L	10
Hexachlorobutadiene	ND	2.1	5.0	µg/L	10
Isopropylbenzene	ND	1.8	5.0	µg/L	10
m,p-Xylene	ND	2.8	10	µg/L	10
Methylene chloride	ND	10	10	µg/L	10
n-Butylbenzene	ND	3.0	5.0	µg/L	10
n-Propylbenzene	ND	1.8	5.0	µg/L	10
Naphthalene	ND	1.4	5.0	µg/L	10
p-Xylene	ND	1.5	6.0	µg/L	10
sec-Butylbenzene	ND	1.6	5.0	µg/L	10
Styrene	ND	1.4	5.0	µg/L	10
tert-Butylbenzene	ND	1.8	5.0	µg/L	10
Tetrachloroethylene	ND	2.2	5.0	µg/L	10
Toluene	ND	2.3	5.0	µg/L	10
trans-1,2-Dichloroethylene	17	1.8	6.0	µg/L	10
Trichloromethane	3400	11	25	µg/L	50
Trichlorofluoromethane	ND	2.4	5.0	µg/L	10
Vinyl chloride	ND	2.3	6.0	µg/L	10

**Qualifiers:**  
 B: Analyte detected in the associated Method Blank  
 H: Holding times for preparation or analysis exceeded  
 ND: Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified

E: Value above quantitation range  
 J: Analyte detected below quantitation limits  
 S: Spike/Surrogate outside of limits due to matrix interference  
 DO: Surrogate Diluted Out

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Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90753 Tel: 562.989.4040 Fax: 562.989.4040

## Advanced Technology Laboratories

Date: 29-Sep-06

**CLIENT:** Ninyo & Moore      **Client Sample ID:** TB1  
**Lab Order:** 086833      **Tag Number:**  
**Project:** On-Atlantic, 203320008      **Collection Date:** 9/21/2006 2:15:00 PM  
**Lab ID:** 086833-004A      **Matrix:** WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

## EPA 8260B

RunID: MS11_060928B	QC Batch: A06VW279		PregDate:		Analyst: HH
1,1,1,2-Tetrachloroethane	ND	0.20	0.50	µg/L	I
1,1,1-Trichloroethane	ND	0.27	0.50	µg/L	I
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	µg/L	I
1,1,2-Trichloroethane	ND	0.20	0.50	µg/L	I
1,1-Dichloroethane	ND	0.23	0.50	µg/L	I
1,1-Dichloroethene	ND	0.23	0.50	µg/L	I
1,1-Dichloropropene	ND	0.18	0.50	µg/L	I
1,2,3-Trichlorobenzene	ND	0.16	0.50	µg/L	I
1,2,3-Trichloropropane	ND	0.18	0.50	µg/L	I
1,2,4-Trichlorobenzene	ND	0.14	0.50	µg/L	I
1,2,4-Tri(methylbenzene	ND	0.15	0.50	µg/L	I
1,2-Dibromo-3-chloropropane	ND	0.24	0.50	µg/L	I
1,2-Dibromoethane	ND	0.18	0.50	µg/L	I
1,2-Dichlorobenzene	ND	0.14	0.50	µg/L	I
1,2-Dichloromethane	ND	0.46	0.50	µg/L	I
1,2-Dichloropropane	ND	0.26	0.50	µg/L	I
1,3,5-Trimethylbenzene	ND	0.16	0.50	µg/L	I
1,3-Dichlorobenzene	ND	0.15	0.50	µg/L	I
1,3-Dichloropropane	ND	0.20	0.50	µg/L	I
1,4-Dichlorobenzene	ND	0.21	0.50	µg/L	I
2,2-Dichloropropane	ND	0.37	0.50	µg/L	I
2-Chlorotoluene	ND	0.15	0.50	µg/L	I
4-Chlorotoluene	ND	0.14	0.50	µg/L	I
4-Isopropyltoluene	ND	0.18	0.50	µg/L	I
Benzene	ND	0.15	0.50	µg/L	I
Bromobenzene	ND	0.20	0.50	µg/L	I
Bromodichloromethane	ND	0.21	0.50	µg/L	I
Bromoform	ND	0.17	0.50	µg/L	I
Bromomethane	ND	0.28	0.50	µg/L	I
Carbontetrachloride	ND	0.45	0.50	µg/L	I
Chlorobenzene	ND	0.17	0.50	µg/L	I
Chloroethane	ND	0.41	0.50	µg/L	I
Chloroform	ND	0.30	0.50	µg/L	I
Chloromethane	ND	0.46	0.50	µg/L	I
cis-1,2-Dichloroethene	ND	0.22	0.50	µg/L	I
cis-1,3-Dichloropropene	ND	0.17	0.50	µg/L	I

**Qualifiers:** B = Analyte detected in the associated Method Blank  
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ND = Not Detected at the Reporting Limit  
Results are wet unless otherwise specified

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S = Spike/Surrogate outside of limits due to matrix interference  
DO = Surrogate Diluted Out

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Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90753 Tel: 562.989.4040 Fax: 562.989.4040

## Advanced Technology Laboratories

Date: 29-Sep-06

**CLIENT:** Ninyo & Moore      **Client Sample ID:** TB1  
**Lab Order:** 086833      **Tag Number:**  
**Project:** On-Atlantic, 203320008      **Collection Date:** 9/21/2006 2:15:00 PM  
**Lab ID:** 086833-004A      **Matrix:** WATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
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## VOLATILE ORGANIC COMPOUNDS BY GC/MS

## EPA 8260B

RunID: MS11_060926B	QC Batch: A06VW279		PrepDate:		Analyst: HH	
Dibromochloromethane	ND	0.18	0.50	µg/L	1	9/26/2006
Dibromoethane	ND	0.19	0.50	µg/L	1	9/26/2006
Dichlorodifluoromethane	ND	0.25	0.50	µg/L	1	9/26/2006
Ethylbenzene	ND	0.15	0.50	µg/L	1	9/26/2006
Hexachlorobutadiene	ND	0.21	0.50	µg/L	1	9/26/2006
Isopropylbenzene	ND	0.18	0.50	µg/L	1	9/26/2006
m,p-Xylene	ND	0.38	1.0	µg/L	1	9/26/2006
Methylene chloride	ND	1.0	1.0	µg/L	1	9/26/2006
n-Butylbenzene	ND	0.30	0.50	µg/L	1	9/26/2006
n-Propylbenzene	ND	0.18	0.50	µg/L	1	9/26/2006
Naphthalene	ND	0.11	0.50	µg/L	1	9/26/2006
p-Ketene	ND	0.16	0.50	µg/L	1	9/26/2006
sec-Butylbenzene	ND	0.16	0.50	µg/L	1	9/26/2006
Styrene	ND	0.14	0.50	µg/L	1	9/26/2006
tert-Butylbenzene	ND	0.18	0.50	µg/L	1	9/26/2006
Tetrachloroethene	ND	0.22	0.50	µg/L	1	9/26/2006
Toluene	ND	0.21	0.50	µg/L	1	9/26/2006
trans-1,2-Dichloroethene	ND	0.19	0.50	µg/L	1	9/26/2006
Trichloromethane	ND	0.32	0.50	µg/L	1	9/26/2006
Trichlorofluoromethane	ND	0.24	0.50	µg/L	1	9/26/2006
Vinyl chloride	ND	0.23	0.50	µg/L	1	9/26/2006

**Qualifiers:**  
 B: Analyte detected in the associated Method Blank  
 H: Holding times for preparation or analysis exceeded  
 ND: Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified

E: Value above quantitation range  
 J: Analyte detected below quantitation limits  
 S: Spike/Surrogate outside of limits due to matrix interference  
 DO: Surrogate Diluted Out

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Advanced Technology  
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90753 Tel: 562.989.4040 Fax: 562.989.4040

CLIENT: Niryo &amp; Moore

Work Order: 086833

Project: On-Atlantic; 203320008

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260\_WP\_LL

Sample ID: A092706LC2	SampType: LCS	TestCode: 8260_WP_LL Units: µg/L			Prep Date:			RunNo: 66310			
Client ID: LCSW	Batch ID: A06VW278	TestNo: EPA 8260B			Analysis Date: 9/28/2006			SeqNo: 1016531			
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.310	0.50	20.00	0	107	81	126				
Benzene	18.280	0.50	20.00	0	91.3	80	112				
Chlorobenzene	18.850	0.50	20.00	0	93.3	78	116				
Toluene	19.150	0.50	20.00	0	95.0	80	111				
Trichloroethylene	19.880	0.50	20.00	0	99.4	84	124				

Sample ID: A092706MB6MS	SampType: MS	TestCode: 8260_WP_LL Units: µg/L			Prep Date:			RunNo: 66310			
Client ID: ZZZZZZ	Batch ID: A06VW278	TestNo: EPA 8260B			Analysis Date: 9/28/2006			SeqNo: 1016532			
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.690	0.50	20.00	0	108	81	126				
Benzene	19.880	0.50	20.00	0	94.9	80	112				
Chlorobenzene	19.840	0.50	20.00	0	93.2	78	115				
Toluene	19.840	0.50	20.00	0	98.2	80	111				
Trichloroethylene	20.310	0.50	20.00	0	102	84	124				

Sample ID: A092706MB6MSD	SampType: MSD	TestCode: 8260_WP_LL Units: µg/L			Prep Date:			RunNo: 66310			
Client ID: ZZZZZZ	Batch ID: A06VW278	TestNo: EPA 8260B			Analysis Date: 9/28/2006			SeqNo: 1016533			
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.590	0.50	20.00	0	108	81	126	21.88	0.418	30	
Benzene	18.000	0.50	20.00	0	95.0	80	112	18.88	0.105	30	
Chlorobenzene	19.350	0.50	20.00	0	96.8	78	116	19.84	0.74	30	
Toluene	19.870	0.50	20.00	0	99.4	80	111	19.84	0.151	30	
Trichloroethylene	20.470	0.50	20.00	0	102	84	124	20.31	0.785	30	

## Qualifiers:

B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 S Spikes/Surrogates outside of limits due to matrix interference

E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 DG Surrogate Detected Out

H No Hinges times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values.

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Advanced Technology  
Laboratories

2273 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.909.4010 Fax: 562.909.4019

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CLIENT: Ninyo & Moore  
Work Order: 086833  
Project: On-Atlantic, 203320008

# ANALYTICAL QC SUMMARY REPORT

TestCode: 8260\_WP\_LL

Sample ID: A092706MB6	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 66310						
Client ID: PBW	Batch ID: A08VW278	TestNo: EPA 8260B		Analysis Date: 9/28/2006	SeqNo: 1018534						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									

Qualifiers:

- B Analyte detected in the associated Method Blank  
I Analyte detected below quantitation limits  
S Spikes/Surrogates outside of limits due to matrix interference

- E Value above quantitation range  
ND Not Detected at the Reporting Limit  
DG Surrogate Detected Out

- H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits  
Calculations are based on raw values.

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Advanced Technology  
Laboratories

3273 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.909.4010 Fax: 562.909.4010

CLIENT: Ninyo & Moore  
Work Order: 086833  
Project: On-Atlantic, 203320008

# ANALYTICAL QC SUMMARY REPORT

TestCode: 8260\_WP\_LL

Sample ID: A082706MB6	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 66310						
Client ID: PBW	Batch ID: A08VW278	TestNo: EPA 8260B		Analysis Date: 9/28/2006	SeqNo: 1018534						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPD/Unit	Qual
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethylene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethylene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethylene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									

Qualifiers:

- B Analyte detected in the associated Method Blank  
J Analyte detected below quantitation limits  
S Spikes/Surrogates outside of limits due to matrix interference

- E Value above quantitation range  
ND Not Detected at the Reporting Limit  
DG Surrogate Detected Out

- H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits  
Calculations are based on raw values.

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Advanced Technology  
Laboratories

2273 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.909.4616 Fax: 562.909.4619

**CLIENT:** Ninyo & Moore  
**Work Order:** 086833  
**Project:** On-Atlantic, 203320008

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260\_WP\_LL

Sample ID: A092806LC1	SampType: LCS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:			RunNo: 66384				
Client ID: LCSW	Batch ID: A06VW279	TestNo: EPA 8260B		Analysis Date:	9/28/2006		SeqNo: 1019942				
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22.700	0.50	20.00	0	114	81	128				
Benzene	19.450	0.50	20.00	0	97.3	90	112				
Chlorobenzene	18.750	0.50	20.00	0	93.8	78	115				
Toluene	20.000	0.50	20.00	0	100	90	111				
Trichloroethene	20.450	0.50	20.00	0	102	84	124				
Sample ID: 086866-005AMS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:			RunNo: 66384				
Client ID: ZZZZZZ	Batch ID: A06VW279	TestNo: EPA 8260B		Analysis Date:	9/28/2006		SeqNo: 1019943				
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,1-Dichloroethene	25.120	0.50	20.00	0	126	81	128				
Benzene	20.200	0.50	20.00	0	101	90	112				
Chlorobenzene	18.520	0.50	20.00	0	97.6	78	115				
Toluene	20.730	0.50	20.00	0	104	90	111				
Trichloroethene	21.800	0.50	20.00	0	108	84	124				
Sample ID: 086866-005AMSD	SampType: MSD	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:			RunNo: 66384				
Client ID: ZZZZZZ	Batch ID: A06VW279	TestNo: EPA 8260B		Analysis Date:	9/28/2006		SeqNo: 1019944				
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,1-Dichloroethene	24.550	0.50	20.00	0	123	81	128	25.12	3.30	30	
Benzene	20.800	0.50	20.00	0	103	90	112	20.20	1.96	30	
Chlorobenzene	20.220	0.50	20.00	0	101	78	115	19.52	3.52	30	
Toluene	21.170	0.50	20.00	0	108	90	111	20.73	2.10	30	
Trichloroethene	21.820	0.50	20.00	0	110	84	124	21.80	1.47	30	

**Qualifiers:**

B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 S Spikes/Surrogates outside of limits due to matrix interference

E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 DG Surrogate Detected Out

H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits  
 Calculations are based on raw values.

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Advanced Technology  
 Laboratories

2273 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.909.4019 Fax: 562.909.4019

CLIENT: Ninyo & Moore  
Work Order: 086833  
Project: On-Atlantic, 203320008

# ANALYTICAL QC SUMMARY REPORT

TestCode: 8260\_WP\_LL

Sample ID: A092806MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 68364						
Client ID: PBW	Batch ID: A08VW279	TestNo: EPA 8260B		Analysis Date: 9/28/2006	SeqNo: 1019945						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,3-Dichloropropane	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon tetrachloride	ND	0.50									

Qualifiers:

- B Analyte detected in the associated Method Blank  
I Analyte detected below quantitation limits  
S Spikes/Surrogates outside of limits due to matrix interference

- E Value above quantitation range  
ND Not Detected at the Reporting Limit  
DG Surrogate Detected Out

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

Calculations are based on raw values.

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Advanced Technology  
Laboratories

3273 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.909.3019 Fax: 562.909.4619

CLIENT: Ninyo & Moore  
Work Order: 086833  
Project: On-Atlantic, 203320008

# ANALYTICAL QC SUMMARY REPORT

TestCode: 8260\_WP\_LL

Sample ID: A092806MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 66364						
Client ID: PBW	Batch ID: A08VW279	TestNo: EPA 8260B		Analysis Date: 9/28/2006	SeqNo: 1019945						
Analyte	Result	PQL	SPK value	SPK RefVal	%REC	LowLimit	HighLimit	RFD RefVal	%RFD	RFD/Unit	Qual
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethylene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Ethylbenzene	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
Methylene chloride	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
Naphthalene	ND	0.50									
o-Xylene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethylene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethane	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl chloride	ND	0.50									

Qualifiers:

- B Analyte detected in the associated Method Blank  
J Analyte detected below quantitation limits  
S Spikes/Surrogates outside of limits due to matrix interference

- E Value above quantitation range  
ND Not Detected at the Reporting Limit  
DG Surrogate Detected Out

- H No Hitting times for preparation or analysis exceeded  
R RPD outside accepted recovery limits  
Calculations are based on raw values.

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Advanced Technology  
Laboratories

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## **CHAIN OF CUSTODY RECORD**

8

Advanced Technology Laboratories		FOR LABORATORY USE ONLY:																		
		P.O.N.			Method of Transport			Sample Condition Upon Receipt												
3275 Walnut Avenue Signal Hill, CA 90755 (562) 989-4045 • Fax (562) 989-4040		Logged By: <i>J</i>			Date: 9/23/06			Client <input checked="" type="checkbox"/>	1. CHILLED <input checked="" type="checkbox"/> 4.9 <input type="checkbox"/>	N <input type="checkbox"/>	4. SEALED <input type="checkbox"/>	Y <input type="checkbox"/>	N <input type="checkbox"/>							
Client: <i>On Atlantic Naya &amp; Moore</i> Alt: <i>Jeff Arbour</i>		Address: <i>475 Goldmark, Suite 200</i> City <i>Irvine</i> State <i>CA</i> Zip Code <i>92618</i>			Sampler: <i>JEFF Arbour</i> (Printed Name) <i>Jeff Arbour</i> (Signature)			TEL: ( )	FAX: ( )											
Project Name: <i>On Atlantic</i>		Project #: <i>203320008</i>			Received by: (Signature and Printed Name)			Date: <i>9/23/06</i>	Time: <i>1330</i>											
Relinquished by: (Signature and Printed Name) <i>Jeff Arbour</i>		Date: <i>9/23/06</i>			Received by: (Signature and Printed Name)			Date: <i>9/23/06</i>	Time: <i>1330</i>											
Relinquished by: (Signature and Printed Name)		Date:			Received by: (Signature and Printed Name)			Date:	Time:											
I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: <i>Jeff Arbour</i> <i>9/23/06</i>		Send Report To: Alt: <i>Jeff Arbour</i> Co: _____ Address: _____  <i>Jeff</i> Signature			Bill To: Alt: <i>Jeff Arbour</i> Co: _____ Address: _____  City _____ State _____ Zip _____			Special Instructions/Comments: <i>AWACB Detection Limits</i>												
Sample/Records - Archival & Disposal: Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.		Circle or Add Analysis(es) Requested						SPECIFY APPROPRIATE MATRIX						PRESERVATION						
Storage Fees (applies when storage is requested): • Sample: \$2.00 / sample / mo (after 45 days) • Records: \$1.00 / ATL workorder / mo (after 1 year)		B914 (Pesticides) B909 (PCBs) B910 (VOCs) B911 (PAHs) B912 (Total Metals) B913 (GEMS) B915 (TSP) B916 (TSP) THE B917N TP (B919 + TSP)						SOIL WATER GROUND WATER WASTEWATER						Containers(s)						
T E M	LAB USE ONLY: Batch #:	Sample Description												TAT	#	Type	REMARKS			
	Lab No.	Sample I.D. / Location			Date	Time										E	3	V		
		<i>086833-~1 MW1</i>			<i>9/21</i>	<i>1350</i>	X													
		<i>- ~2 MW2</i>			<i>1</i>	<i>1405</i>	X													
		<i>- ~3 MW3</i>			<i>1</i>	<i>1410</i>	X													
		<i>~4 TB1</i>			<i>↓</i>	<i>1415</i>	X													
* TAT starts 8 a.m. following day if samples received after 3 p.m.		TAT: A= Overnight ≤ 24 hr	B= Emergency Next workday	C= Critical 2 Workdays	D= Urgent 3 Workdays	E= Routine 7 Workdays	Preservatives: H=HCl N=NHO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> SO <sub>4</sub>													
		Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass		P=Plastic M=Metal																

8411 South Atlantic Boulevard  
Cudahy, California

October 11, 2006  
Project No. 203320008

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**ATTACHMENT G**

**GEOTRACKER UPLOAD CONFIRMATION**

<b>Electronic Submittal Information</b>																																																														
<a href="#">Main Menu</a>   <a href="#">View/Add Facilities</a>   <a href="#">Upload EDD</a>   <a href="#">Check EDD</a>																																																														
<p>Your EDF file has been successfully uploaded!</p> <p><b>Confirmation Number:</b> 4611052632  <b>Date/Time of Submittal:</b> 10/5/2006 12:29:11 PM  <b>Facility Global ID:</b> SL0603783105  <b>Facility Name:</b> ON ATLANTIC, LLC  <b>Submittal Title:</b> 3rd Quarter 2006  <b>Submittal Type:</b> GW Monitoring Report</p>																																																														
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MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

**SOIL SAMPLES FOR 8021/8260 SERIES**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

**FIELD QC SAMPLES**

SAMPLE	COLLECTED	DETECTIONS > REPOL
QCTB SAMPLES	Y	0
QCBB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as NINYO (AUTH\_RP)

CONTACT SITE ADMINISTRATOR.